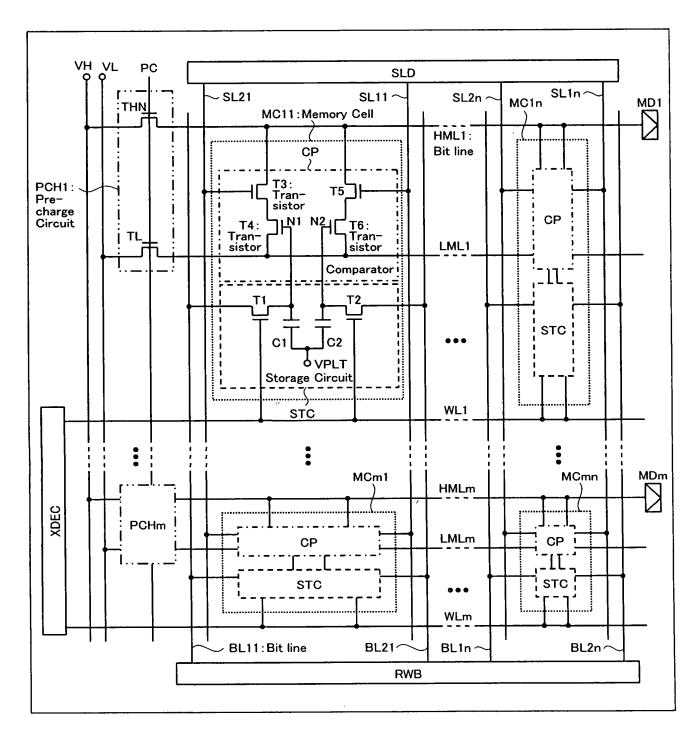
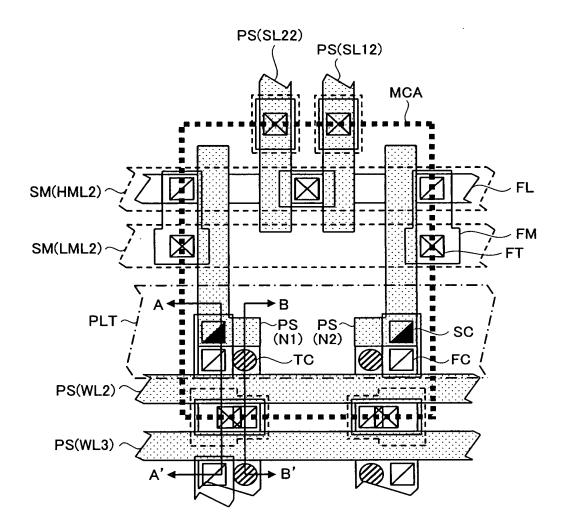
FIG. 1



4

FIG. 2



*FIG.* 3

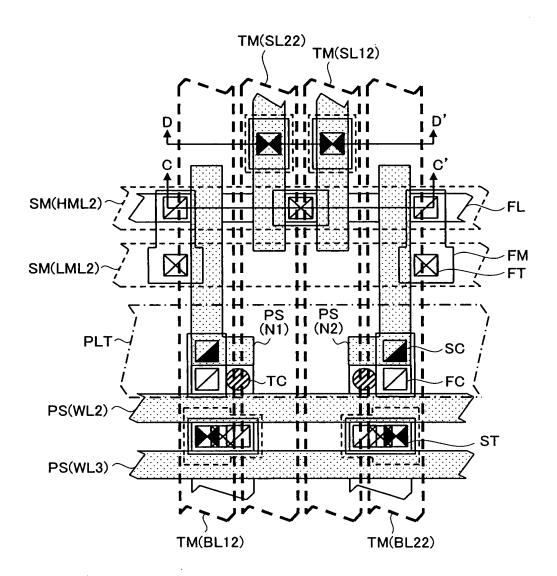


FIG. 4

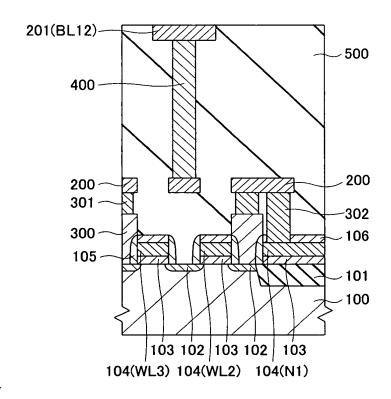


FIG. 5

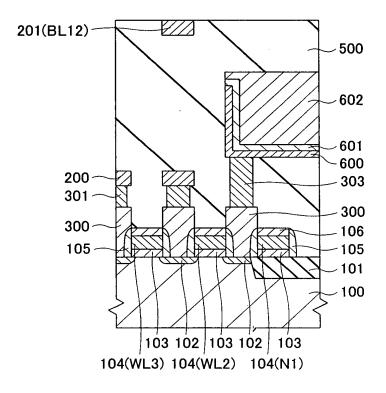
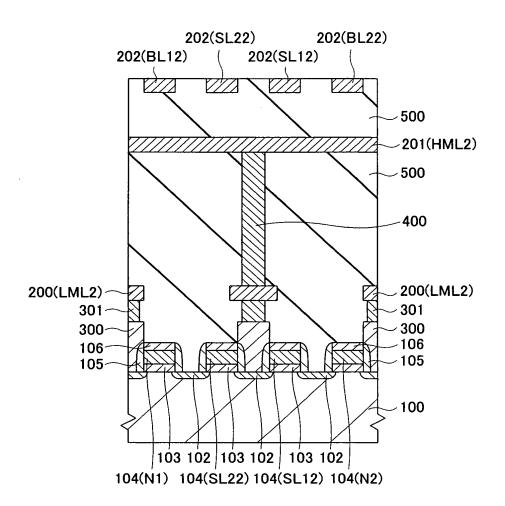
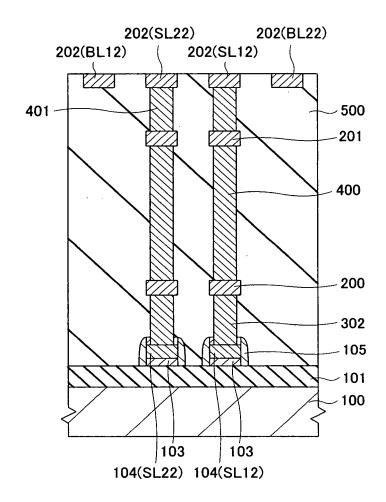


FIG. 6



7

*FIG.* 7



7

FIG. 8

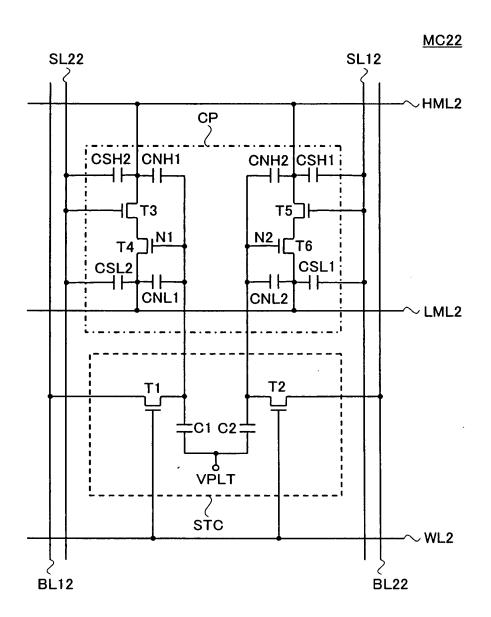


FIG. 9

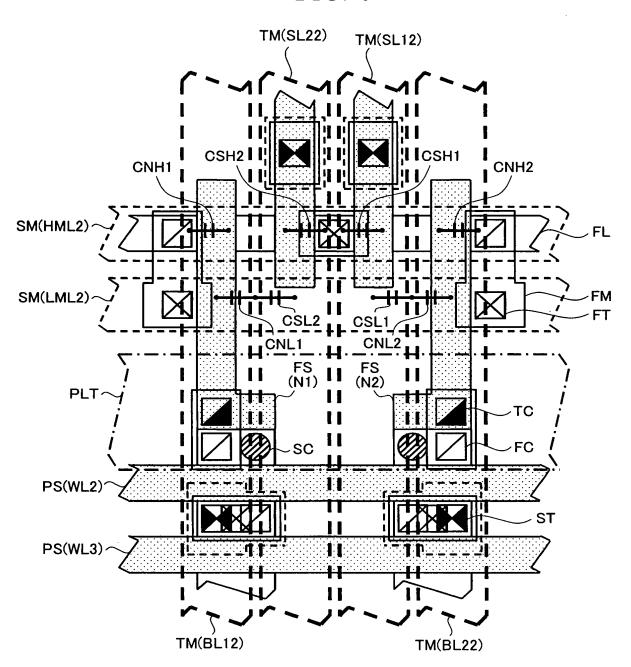


FIG. 10

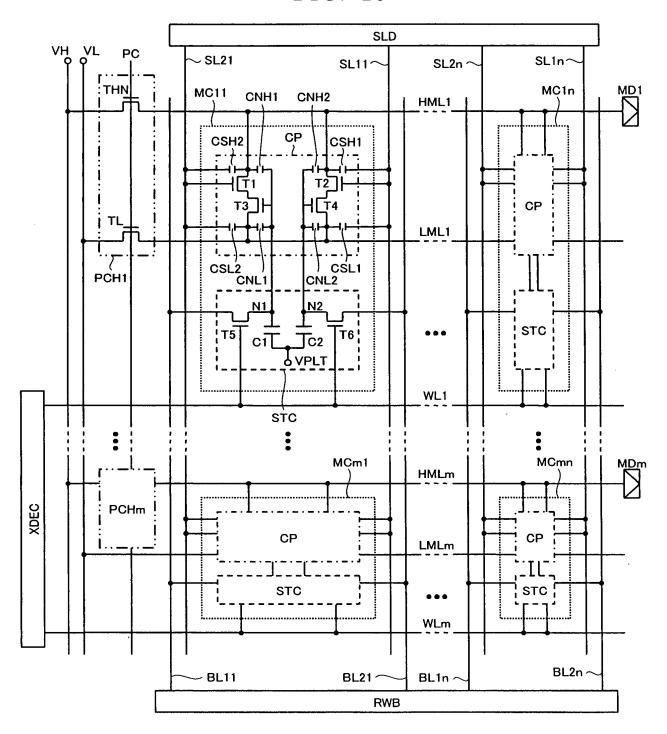
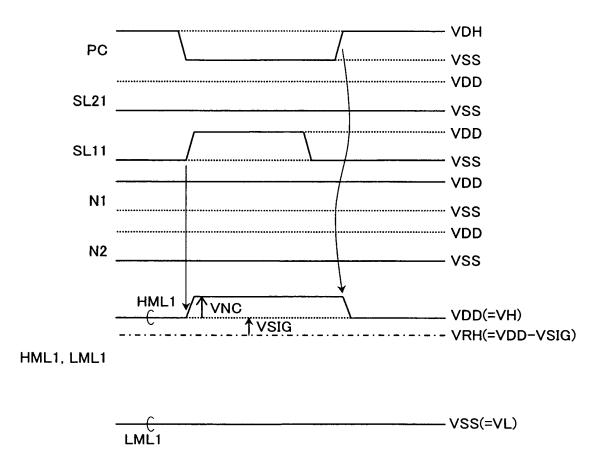


FIG. 11



'n

FIG. 12

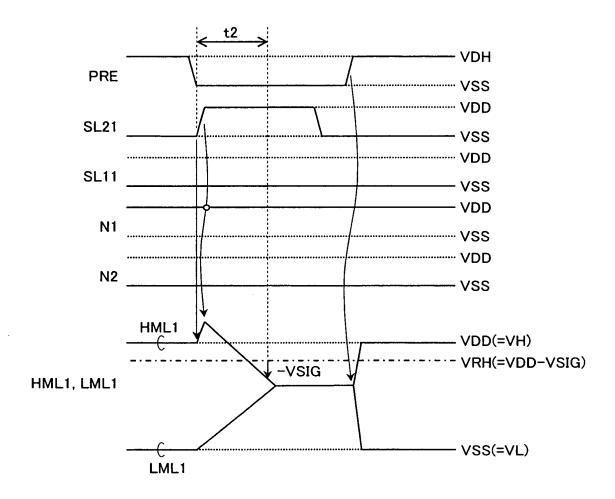


FIG. 13

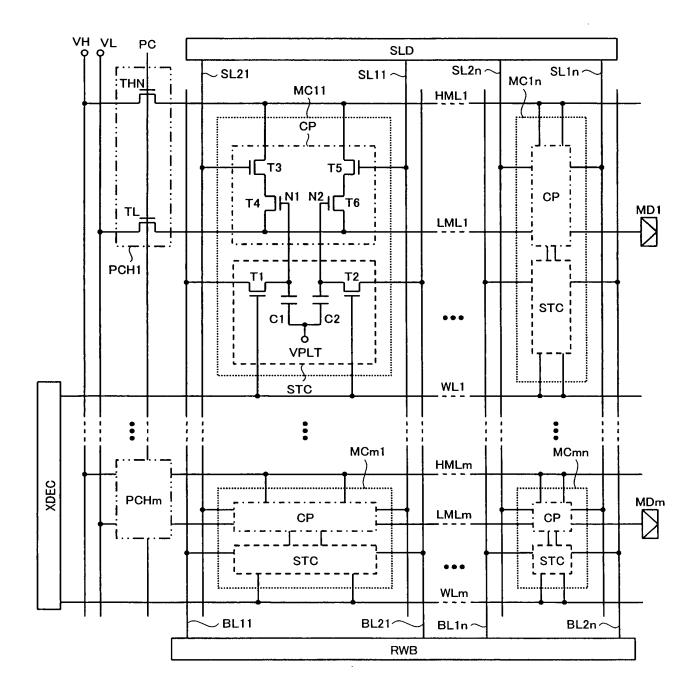


FIG. 14

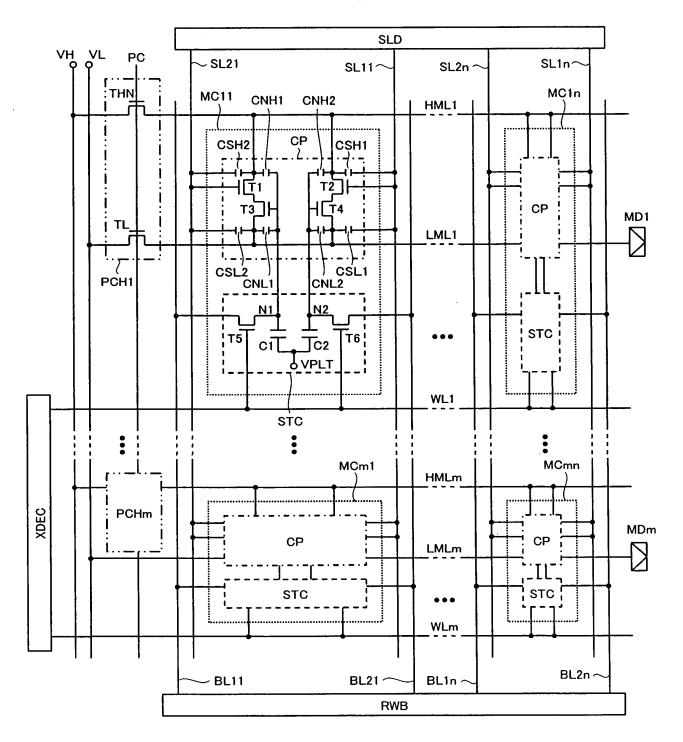
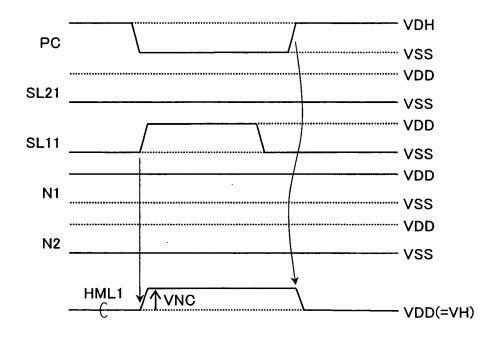


FIG. 15



HML1, LML1

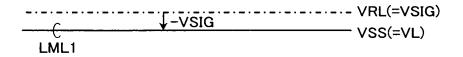


FIG. 16

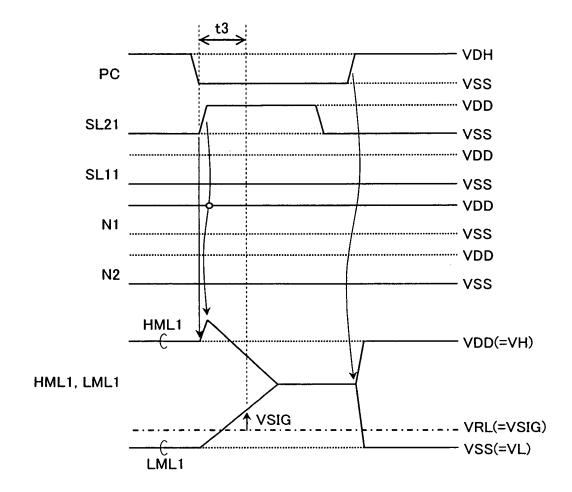


FIG. 17

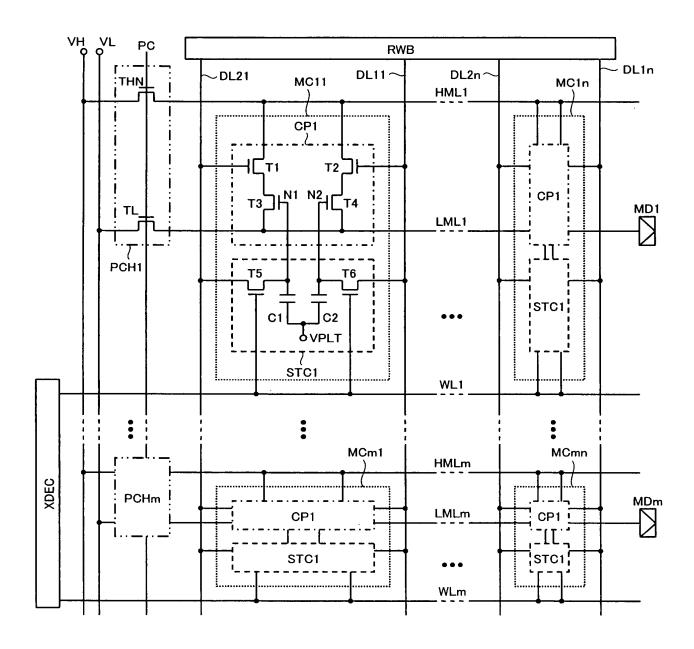


FIG. 18 -O ∨DH -O VBL VDD 0-O VPP **VGEN** -O VBLR VSS 0-**~**0 ∨H ⊸ VL VDH 0--o VDD PCD SLD VSS o o vss ~ PC VH VL SL21 ~ - SL11 ∼ SL1n SL2n <sup>2</sup> HML1 LML1 LML1 В HMLm**LMLm LML**m MA ل VRL WĻ1 XDEC WLm VPP VSS BL1n~  $\sim$  BL2n BL11~ ~BL21 CSP CSN BLEQ RWC11 RWC21 RWC1n RWC2n **ACTL** RWE **RWB** VPP / VSS \_IOT11 **VBLR** 6 OB11 **VBL** —∼ IOT2n IOB2n

FIG. 19

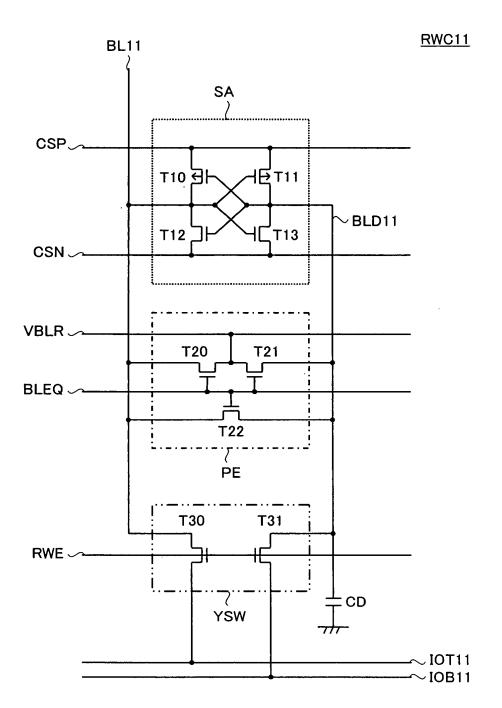


FIG. 20

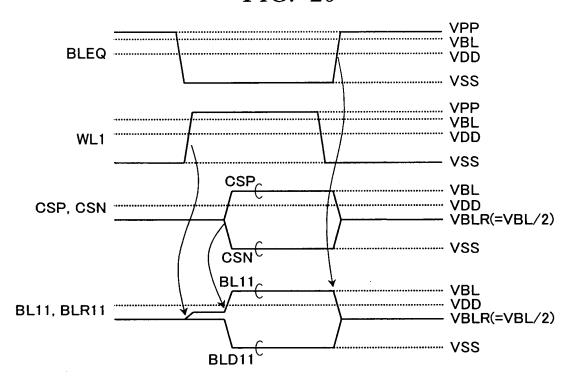


FIG. 21

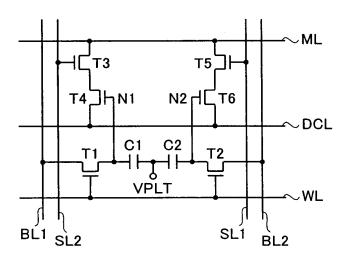


FIG. 22

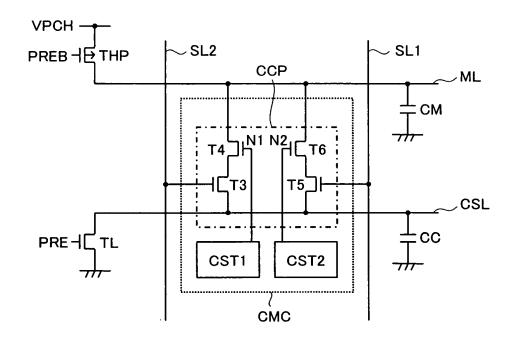


FIG. 23

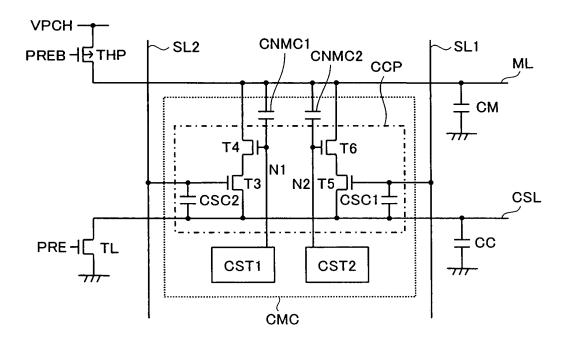


FIG. 24

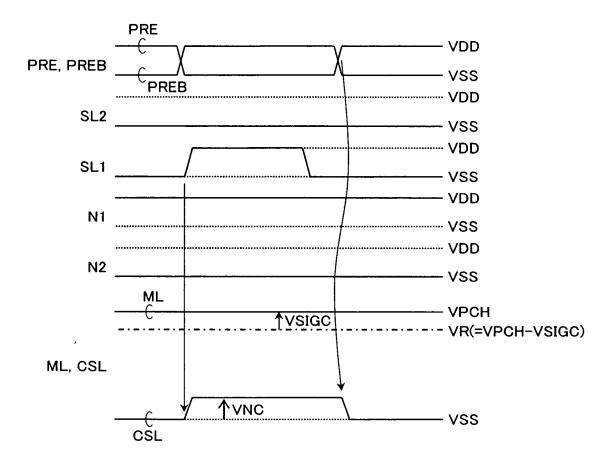
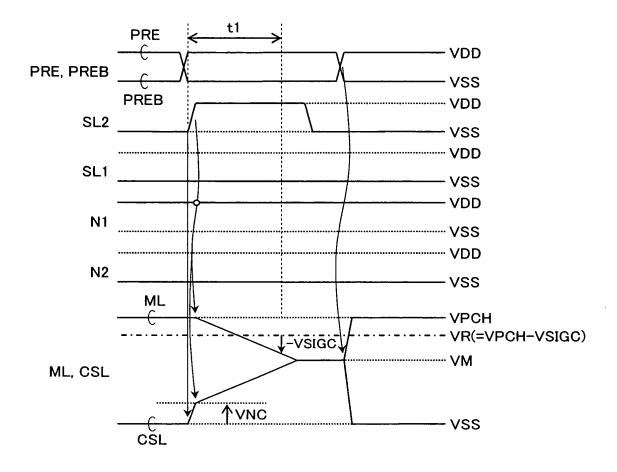


FIG. 25



# FIG. 26

Comparison Result		Unmatched	Matched	Matched	Unmatched	Matched	Matched	Matched	Matched	Matched
State of Current Path	M2 Side	Cut Off	Cut Off	Cut Off	Conductive	Cut Off				
	M1 Side	Conductive	Cut Off	Cut Off	Cut Off	Cut Off	Cut Off	Cut Off	Cut Off	Cut Off
Entry	N2	0	0	-	<b>,</b>	0	0	0	1	0
	N1	1	-	0	0	0	0	1	0	0
	Data	۰۱,	,1,	,0,	,0,	,×,	,×,	,1,	,0,	,×
Search Key	SL1	0	-	0	1	0	-	0	0	0
	SL2	1	0	-	0	1	0	0	0	0
	Data	,0,	,1,	,0,	,1,	,0,	,1,	,Χ,	,Χ,	,Х,